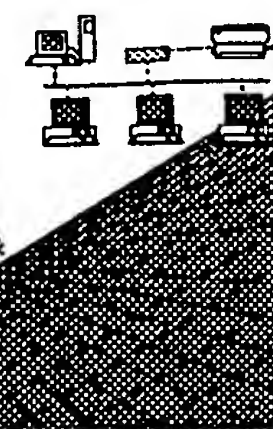


5123

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/046,542  
Source: OIP  
Date Processed by STIC: 5/28/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/046,542

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11 Use of <220> Sequence(s) \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/046,542

DATE: 05/28/2002

TIME: 10:08:48

Input Set : A:\SEQUENCE.txt

Output Set: N:\CRF3\05282002\J046542.raw

**Does Not Comply**  
**Corrected Diskette Needed**

2 <110> APPLICANT: Jefferies, Wilfred Arthur  
 3 Zhang, Qian-Jin  
 4 Chen, Susan Shu-Ping  
 5 Alimonti, Judie Barbara  
 7 <120> TITLE OF INVENTION: Method of Enhancing an Immune Response  
 9 <130> FILE REFERENCE: 7685-41  
 10 <140> CURRENT APPLICATION NUMBER: US 10/046,542  
 11 <141> CURRENT FILING DATE: 2002-01-16  
 13 <150> PRIOR APPLICATION NUMBER: US 08/817,731  
 14 <151> PRIOR FILING DATE: 1997-07-21  
 16 <160> NUMBER OF SEQ ID NOS: 10  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 40  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: oligonucleotide *insufficient response - give source of*  
 28 <400> SEQUENCE: 1  
 29 tcgagtactc tcctatacag atggttccgg agactcgatc  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 32  
 34 <212> TYPE: DNA  
 35 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: oligonucleotide  
 40 <400> SEQUENCE: 2  
 41 catgagagga tatgtctacc aaggcctctg ag  
 44 <210> SEQ ID NO: 3  
 45 <211> LENGTH: 8  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: peptide  
 52 <400> SEQUENCE: 3  
 54 Arg Gly Tyr Val Tyr Gly Gly Leu  
 55 1 5  
 58 <210> SEQ ID NO: 4  
 59 <211> LENGTH: 18  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Artificial Sequence  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: primer TAP1

40 *genetic material*  
 (see item 11  
 on Enon  
 summary  
 sheet)  
 32

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/046,542

DATE: 05/28/2002

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Input Set : A:\SEQUENCE.txt

Output Set: N:\CRF3\05282002\J046542.raw

```

66 <400> SEQUENCE: 4
67 gaccggactc tggacagc
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 8
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: VSV-Np
78 <400> SEQUENCE: 5
80 Arg Gly Tyr Val Tyr Gln Gly Leu
81 1 5
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 9
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Sendi-Np
92 <400> SEQUENCE: 6
94 Phe Ala Pro Gly Asn Tyr Pro Ala Leu
95 1 5
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 21
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: primer TAP1
106 <400> SEQUENCE: 7
107 gtaaattccg gggcatctcc t
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 21
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: primer TAP2
118 <400> SEQUENCE: 8
119 aggaagcaga tttcagaact c
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 21
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: primer TAP2
130 <400> SEQUENCE: 9
131 agtcctgaga gggctcagtg t
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 9
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/046,542

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Input Set : A:\SEQUENCE.txt

Output Set: N:\CRF3\05282002\J046542.raw

140 &lt;223&gt; OTHER INFORMATION: TRP-2 peptide

142 &lt;400&gt; SEQUENCE: 10

144 Ser Val Tyr Asp Phe Phe Val Trp Leu

145 1 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/046,542

DATE: 05/28/2002

TIME: 10:08:49

Input Set : A:\SEQUENCE.txt

Output Set: N:\CRF3\05282002\J046542.raw

L:10 M:283 W: Missing Blank Line separator, <140> field identifier